

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

6460.2  
CHG 17

6/10/97

ELECTRONIC EQUIPMENT MODIFICATION HANDBOOK - NEXT GENERATION WEATHER  
SUBJ: RADAR (NEXRAD)

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CHAPTER 18. REPLACEMENT OF MASS STORAGE  
SUBSYSTEM, FIXED DISK DRIVE IN THE  
RADAR DATA ACQUISITION (RDA) AND  
PRINCIPAL USER PROCESSOR (PUP)  
GROUPS

1. **PURPOSE.** This modification provides instructions to inspect and replace the 182 Mb fixed disk drive, part number 27-189F01M00R00, in the RDA and PUP Small Computer System Interface (SCSI) enclosure assembly, with the new 600 Mb fixed disk drive, part number 27-204F00M00R00. This directive implements Engineering Change Proposal (ECP) F0050, Retrofit of 182 Mb fixed disk drive to 600 Mb fixed disk drive.
2. **DISTRIBUTION.** This directive is distributed to selected offices and services within Washington headquarters, the William J. Hughes Technical Center, the Mike Monroney Aeronautical Center, regional Airway Facilities divisions, and Airway Facilities field offices having the following facilities/equipment: NXRAD.
3. **WITHDRAWALS.** None.
4. **REFERENCES.** None.
5. **BACKGROUND.** This modification will standardize configuration throughout the WSR-88D SCSI tape drive assemblies.
6. **APPLICATION.** This modification applies to all FAA WSR-88D sites.
7. **MATERIALS REQUIRED.** The following materials are required to modify each unit and are available in kit form, NSN 6660-K3-117-589A, consisting of the following:

<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>
600 Mb fixed disk drive	27-204F00M00R00	1 each
Wraps, tie 100 per package	MS3367-2-9	1 package
Label, Federal Express	N/A	1 each
8. **SOURCE OF MATERIALS.** Kits will be requisitioned by the Operational Support Facility (OSF) Logistics Section and shipped, at no cost to the site, from:

National Logistics Supply Center (NLSC)  
1520 East Bannister Road  
Kansas City, MO 64131
9. **SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED.** None.
10. **MODIFICATION TO BE PERFORMED BY.** Field maintenance personnel or as determined by the regional Airway Facilities division.
11. **WHEN MODIFICATION IS TO BE PERFORMED.** Not later than 60 days after receipt of this directive and kit.

12. **ESTIMATED TIME REQUIRED.** A total of 4.5 personnel-hours are required per 600 Mb fixed disk drive to accomplish this modification. The personnel performing this task will have maintenance and test experience with the WSR-88D RDA and PUP. One technician is required for this procedure.

13. **DISPOSITION OF SURPLUS PARTS.** All removed parts are to be returned to the National Reconditioning Center (NRC), using the Federal Express label provided in the kit. Mark the return parts sheet with:

NSN, part number, and part name  
For remarks, write "Part returned for modification"

Return the removed parts immediately to the NRC for modification at the following address:

National Reconditioning Center  
1520 East Bannister Road  
Kansas City, MO 64131

14. **MODIFICATION PROCEDURE.** See attachment 1 for the RDA and attachment 2 for the PUP.

15. **TEST AFTER MODIFICATION.** See attachment 1 for the RDA and attachment 2 for the PUP.

16. **RESULT OF MODIFICATION.** The WSR-88D products supplied to the end user remain the same.

17. **CHANGES TO INSTRUCTION BOOKS.** None.

18. **CHANGES TO INSTALLATION DRAWINGS.** None.

19. **CHANGES TO RECORDED DATA.** Enter this directive number, date, and chapter number on the appropriate FAA Form 6032-1, Airway Facilities Modification Record. Also, complete the form, attachment 3, and forward to:

System Support Branch, Logistics Section  
WSR-88D Operational Support Facility  
3200 Marshall Ave. Suite 101  
Norman, Oklahoma 73072-8028

Fax number: (405) 366-6553

Or e-mail the information to:

khare@osf.noaa.gov

20. **CHANGES TO TABLE OF CONTENTS.** This chapter will be included in the next revision to the table of contents for Order 6460.2.

21. **RECOMMENDATIONS FOR CHANGES.** Forward any recommendations for changes to this directive through normal channels to the National Airway Systems Engineering Division, AOS-200, Operational Support.

**Signed**

George W. Terrell  
Program Director for Operational Support

3 Attachments